

**What Is Claimed is:**

1. In a cable including an outer metallic sheath, at least one metallic conductor therein, and mineral insulation disposed between the outer sheath and the metallic conductor; the  
5 improvement wherein the mineral insulation comprises kaolin.

2. The improvement according to claim 1, wherein the insulation comprises between 3% and 20% by dry weight of kaolin.

3. The improvement according to claim 1, wherein the insulation comprises between 3 % and 15% by dry weight of kaolin.

4. The improvement according to claim 1, wherein the insulation comprises between 5 % and 10% by dry weight of kaolin.

5. The improvement according to claim 1, wherein the insulation includes MgO.

6. The improvement according to claim 5, wherein the insulation comprises between 3% and 20% by dry weight of kaolin.

7. The improvement according to claim 5, wherein the insulation comprises between 3 % and 15% by dry weight of kaolin.

8. The improvement according to claim 5, wherein the insulation comprises between 5 % and 10% by dry weight of kaolin.

9. A process of making a cable, comprising:

providing an outer metallic sheath;

disposing at least one metallic conductor in the metallic sheath;

filling the metallic sheath with mineral insulation including kaolin; and

drawing down the metallic sheath.

10. The process according to claim 9, wherein the insulation comprises between 3% and 20% by dry weight of kaolin.

11. The improvement according to claim 9, wherein the insulation comprises between 3 % and 15% by dry weight of kaolin.

12. The improvement according to claim 9, wherein the insulation comprises between 5 % and 10% by dry weight of kaolin.

13. The process according to claim 9, wherein the insulation includes MgO.

14. The process according to claim 13, wherein the insulation comprises between 3% and 20%  
5 by dry weight of kaolin.

15. The improvement according to claim 13, wherein the insulation comprises between 3 % and  
15% by dry weight of kaolin.

16. The improvement according to claim 13, wherein the insulation comprises between 5 % and  
10% by dry weight of kaolin.